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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

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| Complete if Known | |
|------------------------|-----------------------------|
| Application Number | 10/137,898 <i>10/109142</i> |
| Filing Date | MAY 2, 2002 |
| First Named Inventor | FRANK P. UCKERT ET AL. |
| Group Art Unit | 1711 |
| Examiner Name | UNKNOWN |
| Attorney Docket Number | PE0667 US NA |

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner
Signature

**Date
Considered**

3/15/26

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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Sheet 1 of 1

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**Examiner
Signature**

Joseph

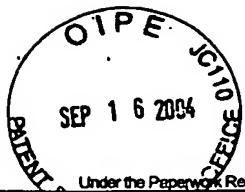
Date Considered

7/5/06

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SEP 1 6 2004

PTO/SB/08A (08-03)

Approved for use through 07/31/2006, OMB 0651-0031

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Substitute for form 1415410

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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| Application Number | 10/809,142 |
| Filing Date | March 25, 2004 |
| First Named Inventor | Frank P. Uckert et al. |
| Group Art Unit | 1714 |
| Examiner Name | Unknown |
| Attorney Docket Number | PE0667USDIV1 |

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Attorney Docket Number PE0667USDIV1

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| Substitute for form 1449A/PTO | | Complete If Known | | | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | Application Number | 10/809,142 | | |
| (use as many sheets as necessary) | | Filing Date | March 25, 2004 | | |
| Sheet | 2 | First Named Inventor | Frank P. Uckert et al. | | |
| | | Group Art Unit | 1714 | | |
| | | Examiner Name | Unknown | | |
| | | Attorney Docket Number | PE0687USDIV1 | | |

| OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS | | | | | |
|--|-----------------------|---|--|--|--------------------------|
| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | | T ² |
| <i>lu</i> | | DE 19846767, Partially conjugated polymer useful as an organic semiconductor or an electroluminescence material, and for display elements in television monitor and illumination technology contains fluorene building units, Abstract, 08-13-2000, Aventis Res & Technologies GmbH | | | <input type="checkbox"/> |
| | | JP 2000319272, (Diarylamino) furan analogues with improved stability, useful pharmaceutical intermediates and electron hole transport or photosensitive materials, Abstract, 04-21-2001, Tosoh Corp | | | <input type="checkbox"/> |
| | | JP 08157575, Carrier transport polymers – useful as carrier transport materials in organic thin film electroluminescence devices, Abstract, 10-25-1998, Toppan Printing Co. Ltd. | | | <input type="checkbox"/> |
| | | JP 2000143778, Display element such as cathode ray tube and light emitting diode, comprises specified light emitting compound as color developing materials, Abstract, 10-06-2000, Samsung Denkan KK | | | <input type="checkbox"/> |
| | | JP 10273522, Production of phenylene group-containing copolymers – comprises copolymerizing phenylene group-containing compounds in presence of catalysts containing transition metal compounds, Abstract, 01-13-1999, Nippon Gosei Gomu KK | | | <input type="checkbox"/> |
| | | JP 10273521, Production of phenylene group-containing copolymers – comprises copolymerizing phenylene group-containing compounds in presence of catalysts containing transition metal compounds, Abstract, 12-23-1999, Nippon Gosei Gomu KK | | | <input type="checkbox"/> |
| | | JP 03028220, Electrochromic elements for display or optical shield glass – contg. film of polyphenylene polymer derived from fluorene, Abstract, 09-28-1993, Idemitsu Kosan Co. Ltd. | | | <input type="checkbox"/> |
| | | JP 03017120, Polyphenylene polymers used as conductive material or display material are produced by chemical or electrochemical-oxidative polymerizing of specified fluorene derivs, Abstract, 09-28-1993, Idemitsu Kosan Co. Ltd. | | | <input type="checkbox"/> |
| | | JP 02269734, New polyphenylene-type polymer prep. By oxidn. Polymerization of fluorene derive., Abstract, 09-28-1993, Idemitsu Kosan Co. Ltd. | | | <input type="checkbox"/> |
| <i>lu</i> | | KR 99057430, Fluorene-based alternating statistical copolymer containing multi-luminescence groups and electroluminescence device using the same, Abstract, 07-15-1999, Korea Adv Inst Sci & Technology | | | <input type="checkbox"/> |
| | | | | | <input type="checkbox"/> |

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|--------------------|------------------------|-----------------|----------------|
| Examiner Signature | <i>Frank P. Uckert</i> | Date Considered | <i>3/15/06</i> |
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PTO/SB/08b (08-03)

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| | | | | Application Number | 10/809,142 |
| | | | | Filing Date | March 25, 2004 |
| | | | | First Named Inventor | Frank P. Uckert Et. Al. |
| | | | | Art Unit | 1713 |
| | | | | Examiner Name | Unknown |
| Sheet | 1 | of | 1 | Attorney Docket Number | PE0667USDIV1 |

| NON PATENT LITERATURE DOCUMENTS | | | | | |
|---------------------------------|-----------------------|---|--|--|--------------------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | | T ² |
| la | | COWELL, ALLAN B. ET AL., Fluoroalkylation of Aromatic Compounds, Journal of Fluorine Chemistry, 17, 1981, 345-356, Elsevier Sequoia S.A., Lausanne, The Netherlands | | | <input type="checkbox"/> |
| lc | | KAMIGATA, NOBUMASA ET AL., Direct Perfluoroalkylation of Aromatic and Heteroaromatic Compounds with Perfluoroalkanesulfonyl Chlorides Catalysed by a Ruthenium (II) Phosphine Complex, J. Chem. Soc. Perkin Trans., 1, 1994, 1339-1346 | | | <input type="checkbox"/> |
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| Examiner Signature | <i>la</i> | Date Considered | 2/15/06 |
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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| Application Number | 10/809,142 |
| Filing Date | MARCH 25, 2004 |
| First Named Inventor | FRANK P. UCKERT |
| Group Art Unit | 1714 |
| Examiner Name | UNKNOWN |
| Attorney Docket Number | PE0667US DIV1 |

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ₆ |
|--------------------|-----------------------|--|--------------------------------|--|---|--------------------------|
| | | CountryCode ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | WO 01/77203 A2 | 10-18-2001 | Unilax Corporation | | <input type="checkbox"/> |
| | | WO 02/066537 A1 | 08-29-2002 | Cambridge Display Techn | | <input type="checkbox"/> |
| | | WO 01/81294 A1 | 11-01-2001 | Sony International GmbH | | <input type="checkbox"/> |
| | | WO 01/42331 A1 | 06-14-2001 | Cambridge Display Tech & Max Planck Inst for Poly | | <input type="checkbox"/> |
| | | WO 00/46321 A1 | 08-10-2000 | The Dow Chemical Co. | | <input type="checkbox"/> |
| | | WO 00/22027 A1 | 04-20-2000 | Axiva GmbH | | <input type="checkbox"/> |
| | | WO 99/54385 A1 | 10-28-1999 | The Dow Chemical Co. | | <input type="checkbox"/> |
| | | WO 00/53658 A1 | 09-14-2000 | Cambridge Display Techn | | <input type="checkbox"/> |
| | | WO 00/55927 A1 | 09-21-2000 | Cambridge Display Techn | | <input type="checkbox"/> |

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| | | | | Art Unit | 1714 |
| | | | | Examiner Name | Unknown |
| Sheet | 2 | of | 2 | Attorney Docket Number | PE0667USDIV1 |

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| <i>lu</i> | | KOREAN PATENT ABSTRACTS, KR 00245841 B1, Fluorene-Based Alternating-Statistical Copolymer Containing Multi-Luminescence Groups and Electroluminescence Device Using The Copolymer, 12-01-1999, Korea Institute of Science and Technology | | | <input type="checkbox"/> |
| | | KREYENSCHMIDT M. et al., Thermally Stable Blue-Light-Emitting Copolymers of Poly(alkylfluorene), Macromolecules, 1998, 1099-1103, 31, American Chemical Society | | | <input type="checkbox"/> |
| <i>lu</i> | | LEE, JEONG-IK et al., Light-emitting electrochemical cells based on poly(9,9-bis(3,6-dioxaheptyl)-fluorene-2,7-diy), Synthetic Metals, 2000, 195-197, 111-112, Elsevier Science S.A. | | | <input type="checkbox"/> |
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| Examiner Signature | <i>Frank P. Uckert</i> | Date Considered | <i>3/18/06</i> |
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